

(c) Response equipment and material must be pre-positioned for ready access and use on board the deepwater port.

[USCG-1998-3884, 71 FR 57651, Sept. 29, 2006, as amended by USCG-2013-0397, 78 FR 39178, July 1, 2013]

§ 149.105 What are the requirements for the overflow and relief valves?

(a) Each oil and natural gas transfer system (OTS/NGTS) must include a relief valve that, when activated, prevents pressure on any component of the OTS/NGTS from exceeding its maximum rated pressure.

(b) The transfer system overflow or relief valve must not allow a discharge into the sea.

§ 149.110 What are the requirements for pipeline end manifold shutoff valves?

Each pipeline end manifold must have a shutoff valve capable of operating both manually and from the pumping platform complex.

§ 149.115 What are the requirements for blank flange and shutoff valves?

Each floating hose string must have a blank flange and a shutoff valve at the vessel's manifold end.

§ 149.120 What are the requirements for manually operated shutoff valves?

Each oil and natural gas transfer line passing through a single point mooring buoy system must have a manual shutoff valve.

§ 149.125 What are the requirements for the malfunction detection system?

(a) Each oil and natural gas system, between a pumping platform complex and the shore, must have a system that can detect and locate leaks and other malfunctions, particularly in high-risk areas.

(b) The marine transfer area on an oil deepwater port must be equipped with a monitoring system in accordance with § 154.525 of this chapter.

(c) A natural gas deepwater port must be equipped with gas detection equipment adequate for the type of transfer system, including storage and regasification, used. The Commandant

(CG-5P) will evaluate proposed leak-detection systems for natural gas on an individual basis.

[USCG-1998-3884, 71 FR 57651, Sept. 29, 2006, as amended by USCG-2013-0397, 78 FR 39178, July 1, 2013]

§ 149.130 What are the requirements for the cargo transfer system alarm?

(a) Each cargo transfer system must have an alarm to signal a malfunction or failure in the system.

(b) The alarm must sound automatically in the control room and:

(1) Be capable of being activated at the pumping platform complex;

(2) Have a signal audible in all areas of the pumping platform complex, except in areas under paragraph (b)(3) of this section;

(3) Have a high intensity flashing light in areas of high ambient noise levels where hearing protection is required under § 150.615 of this chapter; and

(4) Be distinguishable from the general alarm.

(c) Tankers calling on unmanned deepwater ports must be equipped with a transfer system alarm described in this section.

§ 149.135 What should be marked on the cargo transfer system alarm switch?

Each switch for activating an alarm, and each audio or visual device for signaling an alarm, must be identified by the words "Oil Transfer Alarm" or "Natural Gas Transfer Alarm" in red letters at least 1 inch high on a yellow background.

§ 149.140 What communications equipment must be on a deepwater port?

(a) Each deepwater port must have the following communications equipment:

(1) A system for continuous two-way voice communication among the deepwater port, the tankers, the support vessels, and other vessels operating at the deepwater port. The system must be usable and effective in all phases of a transfer and in all conditions of weather at the deepwater port;